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# ROYAL COLLEGE

—OF—

## Physicians and Surgeons

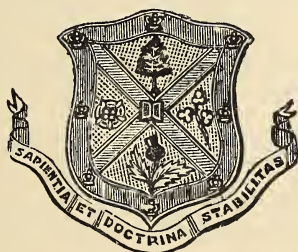
IN AFFILIATION WITH

QUEEN'S UNIVERSITY,

KINGSTON, CANADA.

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## CALENDAR.



**SESSION 1885-86.**

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KINGSTON :  
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1885.

# Royal College of Physicians and Surgeons,

IN AFFILIATION WITH QUEEN'S UNIVERSITY.

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## THIRTY-SECOND SESSION, 1885-86.

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FIFE FOWLER, M.D., L.R.C.S., EDIN.,

(One of the Surgeons to the Kingston Hospital.)

*Professor of Theory and Practice of Medicine, and PRESIDENT of the Faculty.*

MICHAEL LAVELL, M.D.,

*Emeritus Professor of Obstetrics and Gynæcology.*

HON. MICHAEL SULLIVAN, M.D.,

(Surgeon to the Hotel Dieu,)

*Professor of Principles and Practice of Surgery.*

ALFRED S. OLIVER, M.D.,

(Jail Physician, and one of the Surgeons to the Kingston Hospital,)

*Professor of Materia Medica, Therapeutics and Pharmacy.*

THOMAS R. DUPUIS, M.D., F.R.C.P.S., K., and M.R.C.S., Eng.

(One of the Surgeons to the Kingston Hospital,)

*Professor of Anatomy.*

THE PROFESSORS OF CHEMISTRY AND BOTANY IN QUEEN'S UNIVERSITY,

*Professors of Chemistry, Practical Chemistry, and Botany.*

KENNETH N. FENWICK, M.A., M.D., M.R.C.S., Eng.,

(One of the Surgeons to the Kingston General Hospital,)

*Professor of Obstetrics and Gynæcology.*

CHAMBERLEN A. IRWIN, M.D.,

*Professor of Medical Jurisprudence and Sanitary Science.*

WM. H. HENDERSON, M.D., M.R.C.S., Eng.,

*Professor of Physiology.*

R. W. GARRETT, M.D.,

*Practical Anatomy and Histology.*

D. E. MUNDELL, B.A., and JAS. V. ANGLIN, B.A.,

*Associate Demonstrators of Anatomy.*

CLINICAL MEDICINE, }  
CLINICAL SURGERY, } By the members of the Hospital Staff.



## ANNOUNCEMENT.

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The Thirty Second Session of this College will commence on Monday, October 5th, 1885, on which day the Introductory Lecture will be given in the College Building at 3 P.M. by the Hon. M. Sullivan, Professor of Surgery.

Instruction is given by Lectures, Recitations and Clinical teaching in every branch, the instruction being as practical as possible.

THE "ROYAL COLLEGE OF PHYSICIANS AND SURGEONS, KINGSTON," being separately incorporated and possessing independent powers and privileges, is competent to confer upon its own students and others the Diplomas of "Licentiate" and "Fellow." Being also affiliated with Queen's University, its students obtain the Degrees of *Doctor of Medicine and Master of Surgery*, by passing the requisite examination.

Certificates of attendance at this College are recognized by the Royal College of Surgeons of London and Edinburgh, so that those holding the License of the College as well as those possessing the Degree of M.D. from Queen's University, are entitled to all the privileges in Great Britain that are accorded to the students and graduates of other Colonial Colleges.

The Faculty announces with great pleasure that the Royal College now occupies the very commodious premises immediately adjacent to Queen's College and the Hospital. In the College building there is a very large and well-ventilated dissecting room, as well as several spacious class-rooms.

The Faculty having now at their command all the necessary apparatus and appliances required for imparting a sound medical education, are in a position to offer increased advantages to students.

The abundant supply of dissecting material furnished by the Penitentiary, Jail, Hospital and other public institutions

in the neighborhood, enables this school to offer unrivalled advantages for the study of Practical Anatomy; while it is not second to any other Medical School in the advantages which it has for the prosecution of all other branches of medical knowledge.

The Kingston General Hospital and Hotel Dieu, both within a few minutes' walk of the College, are open to the students, and offer great facilities for the prosecution of Clinical studies. Students, if they desire, can visit also the Penitentiary Hospital with DR. STRANGE, and the Insane Asylum with DR. METCALFE, the Superintendent.

The General Hospital alone has accommodation for 150 beds, and contains an operating amphitheatre, so arranged as to afford all the students an opportunity of witnessing the operations; the other institutions referred to have a large number of patients constantly under treatment.

As proofs of the high quality of the instruction given in this School, the Faculty point with pride to the high position taken by its students at the examinations of the Medical Council of Ontario, and of the Royal College of Surgeons of England, and also to the professional success of their graduates.

Kingston, moreover, is a healthy and pleasant city to live in, *free from the attractive amusements* that interfere with study, and the inducements to vice found in many larger cities, while the cheapness of living therein is such as to commend it to the notice of all intending students of Medicine.

Good board in respectable houses may be obtained at prices ranging from \$2.50 to \$4 per week, and other necessities at proportionate figures.

## CURRICULUM.

Candidates for the Degree of the University or the Diploma of the College must have completed a period of four years' study, and have passed the Matriculation Examination of Queen's College, which is as follows :

English Language, Grammar and Composition.  
 Arithmetic, with Vulgar and Decimal Fractions.  
 Algebra, including Simple Equations.  
 Geometry, first two books of Euclid.  
 Latin, Grammar, and translation (Cicero, Cato Major, Virgil,  
 Æneid, Bk. I., 1-304. Ovid, Fasti, Bk. I., 1-300.  
 Natural Philosophy, as in Stewart's *Physics*.

Graduates and Matriculants in Arts from a recognized University, and those who have passed the Matriculation Examination of the Medical Council of Ontario, are not required to pass the above Matriculation Examination.

This examination must be passed before a student is admitted to any of the professional examinations, although lectures may be attended previous to passing this Matriculation Examination.

In the case of Graduates in Arts, a period of three years only will be required.

Every Candidate must have given regular attendance in Full Courses of Instruction in the following Departments for the periods stated, during at least three sessions :

I.	Principles and Practice of Surgery .....	} Two full Courses of six months each.
II.	Theory and Practice of Medicine .....	
III.	Obstetrics and Diseases of Women and Children. ....	
IV.	Institutes of Medicine .....	
V.	Anatomy .....	
VI.	Chemistry .....	
VII.	Materia Medica, Therapeutics and Pharmacy ..	
VIII.	Practical Anatomy .....	} 25 Lectures.
XI.	Histology .....	
X.	Clinical Surgery .....	
XI.	Clinical Medicine .....	} Two full Courses of three months each.
XII.	Medical Jurisprudence .....	
XIII.	Sanitary Science .....	} 25 Lectures.
XIV.	Practical Chemistry .....	
XV.	Botany .....	} One Course of three months.
XVI.	Hospital .....	
		Eighteen months.

The above course of study may have been pursued either wholly at this College, or partly here and partly at some

other recognized Medical School. In the latter case, at least one full session must have been spent at this College.

Certificates of attendance on Lectures are received from incorporated Medical Schools in the British Dominions, and others recognized by the British Universities and licensing Colleges. Other certificates of attendance on Lectures may be admitted at the discretion of the Faculty.

All students must present evidence of their having compounded medicine for a period of six months, in the office of a regularly qualified Medical Practitioner, and they shall present evidence of having attended at least six cases of Midwifery.

Students attend the Lectures on Chemistry and Botany at the University, and can, if they wish, attend those on Zoology also, without additional charge.

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### EXAMINATIONS AND GRADUATION.

Every candidate intending to appear at the Primary, Intermediate, or Final Examination must, on or before the 5th day of March in the year in which he proposes to graduate, furnish the Registrar of the College with a declaration under his own hand that he is twenty-one years of age, or that he will be so before the day of graduation, accompanied by a certificate of good moral character, a statement of his medical studies, with proper certificates thereto, and a Thesis on some Medical or Surgical subject composed by himself and in his own handwriting.

There are three examinations—one at the end of the second Session, one at the end of the third Session, and a Final at the end of the fourth or last Session—in each of which candidates are examined orally and in writing. Graduates in Arts may pass the first and second examinations at the end of the second Session.

Hereafter all candidates will be required to pay for each of the above examinations a fee of \$10, in lieu of the fee of \$30, hitherto paid as Graduation Fee.

The first examination includes Botany, Institutes of Medicine, and Theoretical Chemistry.



The second examination includes *Materia Medica*, *Anatomy*, *Practical Chemistry* and *Histology*.

The final examination includes the *Principles and Practice of Surgery*, *Theory and Practice of Medicine*, *Obstetrics*, *Sanitary Science*, and *Medical Jurisprudence*.

No candidate will be admitted to any of the foregoing examinations without having matriculated.

The Final Examination will not take place until the candidate has completed his fourth or last session.

### REQUISITES FOR THE FELLOWSHIP.

Before being admitted to the Professional Examination for the Diploma of F.R.C.P.S., K., the candidate must produce evidence of being a graduate in Arts (or undergo an examination equivalent thereto), and of having been engaged in the practice of the profession at least five years.

### FEEES.

The Fees for the different classes, etc., are as follows :

Registration Fee, payable once only	\$ 5 00
Anatomy	(per Session) 12 00
Institutes of Medicine	12 00
Materia Medica	12 00
Principles and Practice of Surgery	12 00
Theory and Practice of Medicine	12 00
Obstetrics and Diseases of Women	12 00
Chemistry	12 00
Medical Jurisprudence	6 00
Practical Anatomy	8 00
Practical Chemistry	6 00
Clinical Medicine (for two courses)	6 00
Clinical Surgery	6 00
Botany	6 00
Sanitary Science	4 00
Histology	4 00

Payment for two full courses in any class, and attendance in the same, entitles the student to a perpetual ticket for that class: except *Practical Anatomy*, *Chemistry*—*Theoretical and Practical*, and *Botany*, in which payment is required every year such subjects are taken.

The Kingston General Hospital may be attended by students during the whole period of study for one payment of \$6.00 at the commencement, or \$4.00 per session.

Diploma of Licentiate of the College.....	\$20 00
Degree of M.D. and C.M.....	30 00
Fellowship of College.....	50 00

All graduates in Medicine in good standing can obtain the Licentiate of the R.C.P.S., K., on paying to the Registrar the fee of \$20, and the Degree of C.M. on paying a fee of \$5.

All fees are payable to the Treasurer of the College, and are payable in advance.

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### PRIZES.

1. At Examinations on Final Subjects a Gold and a Silver Medal.

2. At Primary Examination, with Anatomy, special. One Demonstratorship of Anatomy, value \$50.

3. At Intermediate Examination.

a. Two House Surgeoncies of Kingston General Hospital, six months' each.

b. One Demonstratorship of Anatomy, value \$50.

4. All students competing for the above prizes must be registered students and proceeding to a degree in this College. Conditions to be announced by the Faculty at the beginning of the Session.

The Medals have been kindly presented by a Graduate of the College, Dr. Murdock Matheson, Queensland, Australia.

There are also several University prizes of considerable value, open to all registered students.

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### NOTICE.

The Examinations of this College will be held immediately before the Examinations of the Medical Council, which will commence in the City of Kingston in April, 1885.

In order that intending students may understand the relation of the Medical Council to the College, the Registrar desires to state that all who desire to practice medicine in Ontario must pass the Matriculation and other examinations of the Medical Council. The degree of M.D., however, qualifies for practice in Quebec, Manitoba, and the United

States, without the examinations of Medical Council being submitted to.

All applications with reference to Medical Studies to be made to the President of the College.

### MEDICAL COUNCIL REGULATIONS.

On and after July 1st, 1884, every one desirous of being registered as a Matriculated Medical Student in the Register of this College, except as hereinafter provided, must present to the Registrar, Dr. Pyne, Toronto, the official certificate of having passed the High School Intermediate Examination with Latin included, whereupon he shall be entitled to be so registered upon the payment of twenty dollars, and giving proof of his identity.

Graduates in Arts, or Students having Matriculated in Arts in any University in Her Majesty's dominions, are not required to pass the Matriculation examination but may register their names with the Registrar of the College, upon giving satisfactory evidence of their qualifications and paying the Matriculation fee of \$20.

Every Medical Student, after Matriculating, shall be registered in the manner prescribed by the Council, and this shall be held to be the beginning of his medical studies, which shall date from such registration.

Every Student, after his Matriculation has been registered, must spend a period of FOUR YEARS in actual professional study.

EVERY STUDENT WHO HAS NOT ATTENDED ANY RECOGNIZED MEDICAL SCHOOL PRIOR TO JUNE, 1880, SHALL BE REQUIRED TO ATTEND MEDICAL LECTURES FOR AT LEAST FOUR SESSIONS OF SIX MONTHS EACH.

Each "Six Months' Course shall not consist of less than one hundred Lectures.

Every Student must attend the undermentioned Course of Lectures in a University, College or School of Medicine approved of by the Council, viz.:

*Two courses of Six Months each upon Anatomy, Practical*

Anatomy, Physiology (including Histology) Theoretical Chemistry, Materia Medica and Therapeutics, Principles and Practice of Medicine, Principles and Practice of Surgery, Midwifery and Diseases of Women and Children, Clinical Medicine and Clinical Surgery.

*One* course of *Six Months* or *Two* courses of *Three Months* each upon Medical Jurisprudence, and *One* course of *Three Months* upon Practical Chemistry and Botany.

*One* course of not less than *Twenty-five Demonstrations* upon Microscopic Anatomy, Physiological and Pathological, and one course of twenty-five lectures on Sanitary Science.

Every Student, before being admitted to the Final Examination hereinafter mentioned, must have spent a period of Six Months in the office of a regularly qualified medical practitioner in compounding medicines.

All persons from recognized Colleges outside the Provinces of Ontario and Quebec who desire to qualify themselves for Registration in this Province, must pass the Matriculation Examination recognized by the Council, and attend thereafter one full "Winter Course" of Lectures, during Two Winter Sessions, in some one of the Ontario Medical Schools, and such other Course or Courses as may be necessary to complete the Curriculum required by the Council, and shall pass, before the Board of Examiners appointed by the Council, all the Examinations hereafter prescribed. Graduates of such colleges as are above referred to, who present Certificates of attendance upon THREE full Winter Courses of Lectures before graduating, will be required to take one full Course of Lectures in one of the Ontario Medical Schools.

Nothing shall exempt residents of Ontario, who, after 1877, elect to pursue their studies outside of the Province of Ontario, from passing four years in the pursuit of their professional studies; such four years to commence at the date of their passing the Matriculation Examination before the Examiners appointed for that purpose by the Council.



1. Hereafter the Professional Examinations shall be divided into a *Primary* and a *Final* Examination.

2. The *Primary* Examination shall be undergone at the end of the Second, and the *Final* at the end of the Fourth Winter Session.

3. The following branches shall be embraced in the *Primary* Examination, viz :

Descriptive Anatomy. Physiology and Histology. Theoretical Chemistry. Practical Chemistry. Botany. Toxicology. Materia Medica and Therapeutics.

4. Each Candidate for the *Primary* Examination will be required to present with his Lecture Tickets a Certificate of having undergone Examination at the School he has attended at the close of his first Winter Session, on Anatomy, Physiology, Chemistry and Botany. Such Examination shall not, however, in any way affect the *Primary* Examination of the Council.

5. The following branches shall be embraced in the *Final* Examination :

Medical and Surgical Anatomy. Theory and Practice of Medicine and Sanitary Science. Medical Pathology. Surgery (other than Operative) and Diseases of Women and Children. Midwifery, Operative. Medical Jurisprudence.

Any Candidate who passes creditably in three or more branches, but fails in the others, shall receive credit for the subjects so passed, and be compelled to pass in the other branches *only*, at a subsequent Examination.

The following scale of fees has been established by the Council of the College of Physicians and Surgeons of Ontario :

Students examined by the various Colleges prior to July, 1870	\$10 00
After July 1st, 1881, in all cases .....	20 00
Primary Examination .....	20 00
Final Examination.....	30 00

All fees to be paid to the Treasurer of the Medical Council prior to the several Examinations.

## COURSE OF INSTRUCTION.

### 1. THEORY AND PRACTICE OF MEDICINE—(PROF. FOWLER)—3 to 4 p.m.

These Lectures are illustrated by plates, morbid specimens, and models of diseased parts.

### 2. PRINCIPLES AND PRACTICE OF SURGERY—(PROF. SULLIVAN)—4 to 5 p.m.

These Lectures, besides the principles and practice, will include a full course of Surgical Anatomy, and Surgical Pathology, illustrated by plates, models and specimens, explaining the most recent theories; the use of instruments and surgical apparatus and appliances is taught. Not only are the chief operations performed on the Cadaver, but advantage is taken to give a concise and practical course in Special Surgery, introducing the latest and most practical operations and mode of treatment, with the use of such instruments as Laryngoscope, Ophthalmoscope, &c., employed in special surgery.

### 3. OBSTETRICS AND DISEASES OF WOMEN—(PROF. K. N. FENWICK)—2 to 3 p.m.

These Lectures are illustrated by drawings, models, prepared specimens, by use of the Artificial Pelvis, etc.

Ample opportunities will be afforded to the students for studying this important branch practically, as they will be arranged in classes to attend the Obstetric practice of the Hospital.

### 4. MATERIA MEDICA, THERAPEUTICS AND PHARMACY—(PROF. OLIVER)—10 to 11 a.m.

This course will be illustrated by plates, and specimens of the various drugs, chemicals, etc.

### 5. ANATOMY—(PROF. T. R. DUPUIS)—11 to 12 a.m.

Five Lectures a week on this subject are given in the Anatomy class-room, and are fully illustrated by recent dissections on the Cadaver, and also by plates, drawings and preparations.

Four of the best dissectors among the third year students are chosen each session as *prosectors*, and these, under the direction of the Professor, make careful dissections of the parts to be brought before the class, and thus students not only hear a description of the various parts and organs of the body, but see them properly dissected and lying in their natural relations to each other.

### 6. INSTITUTES OF MEDICINE—(PROF. HENDERSON)—5 to 6 p.m.

This course comprises Physiology and General Pathology. The lectures will be illustrated by vivisections, plates, drawings, and specimens from the Museum.

### 7. CHEMISTRY—

This course is taken in the classes of Queen's University, and comprises Chemical Physics, Chemical Philosophy, Inorganic and Organic Chemistry.

The Professor possesses abundant apparatus for experimental illustrations, being completely furnished with all the modern inventions for chemical investigation. All the lectures are fully illustrated by actual experiments.

## 8. MEDICAL JURISPRUDENCE—(PROF. IRWIN)—5 to 6 p.m., Tuesday and Thursday.

These Lectures include Medical Toxicology, *post mortem* appearances, insanity, etc. They are illustrated by plates and specimens when necessary.

## 9. PRACTICAL ANATOMY—DR. GARRETT.

The Dissecting Room will be open from 8 a.m. to 6 p.m., for the use of the students; and instructions will be given every day in dissecting, and in the details of Practical Anatomy, and all students are furnished with material for dissection, of which there is always an abundant supply in the institution.

## 10. PRACTICAL CHEMISTRY—

Thorough instruction is given in the splendid new Laboratory of the University, under the personal supervision of the Professor. The course is entirely Laboratory work, and includes blow pipe manipulations, the use of apparatus, qualitative and quantitative analysis, toxicological investigations, etc.

## 11. CLINICAL MEDICINE—

This is taught by instruction at the bedside, and by Lectures in the new Theatre of the Hospital.

Attention is given to Physical Diagnosis, which is taught practically, each student being required to take part in it. Examinations of urine, sputa, etc., are illustrated and explained.

## 12. CLINICAL SURGERY—

These Lectures are in illustration of the various surgical cases in the wards of the General Hospital. They are given at the bedside or in the Theatre of the General Hospital, and when requiring it, are elucidated by plates, surgical apparatus, morbid specimens, models, etc. All operations are performed in presence of the class.

## 13. HISTOLOGY—(DR. GARRETT)—3 to 4, Monday.

(a) In this class plain and definite directions will be given for the preparation, staining and microscopical examination of the various tissues of the body, microscopes, micrometer and camera lucida being provided by the college.

(b) The various methods of section-cutting will be fully explained, and the use of the micromote, warming stage, and other histological apparatus will be amply demonstrated.

(c) In order to facilitate the studies of the student as much as possible, a series of outline plates will be given to each student in which are indicated the main features of the microscopic sections shown during the session.

## 14. SANITARY SCIENCE—(DR. IRWIN)—5 to 6, Friday.

## 15. BOTANY—

This course is taken in the classes of Queen's University.

The Lectures will be given every day during the first part of the session, and will be illustrated by drawings, microscopic sections, dried specimens, and living plants as far as practicable.

## 16. CURATORSHIP OF MUSEUM—(PROF. HENDERSON.)

BOOKS RECOMMENDED TO STUDENTS.

ANATOMY—Gray or Heath, Wilson.

INSTITUTES OF MEDICINE—Kirke's Physiology, and Delafield's Pathology.

MATERIA MEDICA—Bartholow's Materia Medica, Farquharson's Therapeutics and U. S. Dispensatory.

PRINCIPLES AND PRACTICE OF SURGERY—Clarke or Druitt and Palmer ; for reference, any of the larger works.

THEORY AND PRACTICE OF MEDICINE—Roberts.

OBSTETRICS—Playfair's Midwifery ; Galavin's Diseases of Women ; Tanner's Diseases of Children.

CHEMISTRY—Crum Brown's Elements of Chemistry.

BOTANY—Gray's Structural and Systematic Botany : First Lessons on Botany.

MEDICAL JURISPRUDENCE—Taylor's Medical Jurisprudence.

SANITARY SCIENCE—Wilson & Parke's.

MICROSCOPIC ANATOMY—Klein.

PRACTICAL ANATOMY—Heath.



## MATRICULATION EXAMINATION IN MEDICINE.

### LATIN.

Translate :

Tum satus Anchisæ, cunctis ex more vocatis,  
Victorem magnâ præconis voce Cloanthum  
Declarat, viridique advelat tempora lauro :  
Muneraque in naves, ternos optare juvencos,  
Vinaque, et argenti magnum dat ferre talentum.  
Ipsis præcipuos ductoribus addit honores :  
Victori chlamydem auratum, quam plurima circum  
Purpura Mæandro duplici, Melibœa cucurrit,  
Intextusque puer frondosâ regius Idâ  
Veloces jaculo cervos cursuque fatigat,  
Acer, anhelanti similis; quem præpes ab Idâ  
Sublimen pedibus rapuit Jovis armiger uncis.  
Longævi palmas necquicquam ad sidera tendunt  
Custodes, sævitque canum latratus in auras.  
At, qui deinde locum tenuit virtute secundum :  
Levibus huic hamis consertam auroque trilicem  
Loricam, quam Demoleo detraxerat ipse  
Victor apud rapidum Simoenta sub Ilio alto,  
Donat habere viro, decus et tutamen in armis.

1. Explain what is meant by *chlamydem auratam*.  
Explain the use of the word *Mæandro*, v. 251.  
Give some account of the *puer regius*, v. 252.
2. Decline in conjunction *chlamydem auratam*, *veloces cervos*, *trilicem loricam*.
3. Give the principal parts of the following verbs : *dat*, *ferre*, *cucurrit*, *tendunt*, *sævit*, *conservat*.

Translate :

Equidam non video cur, quid ipse sentiam de morte, non audeam vobis dicere; quod eo melius mihi cernere videor, quo ab ea propius absum. Ego vestros patres, P. Scipio tuque, C. Læli, viros clarissimos mihiq̃ amicissimos vivere arbitror et eam quidem vitam, quæ est sola vita, nominanda. Nam dum sumus in his inclusi compagibus corporis, munere quodam necessitatis et gravi opere perfungimur: est enim animus cælestis ex altissimo domicilio depressus et quasi demersus in terram, locum divinæ naturæ æternitatisque contrarium. Sed credo deos immortales sparsisse animos in corpora humana, ut essent, qui terras tuerentur quique cælestium ordinem contemplantes imitarentur eum vitæ modo atque constantia. Nec me solum ratio ac disputatio impulit ut ita crederem; sed nobilitas etiam summorum philosophorum et auctoritas. Audiebam Pythagoram Pythagoreosque incolas pæne nostros, qui essent Italici philosophi quondam nominati, nunquam, dubitasse, quin ex universa mente divina delibatos animos haberemus: demonstrabantur mihi præterea, quæ Socrates supremo vitæ die de immortalitate animorum disseruisset, is, qui esset omnium sapientissimus oraculo Apollinis judicatus.

1. Give principal parts of *audeam*, *perfungimur*, *depressus*, *demersus*.

2. Parse melius, propius, nominanda, tuerentur.
3. What is the gender of the following nouns :  
vulgus, pelagus, humus, pœma, animal, homo, ordo,  
cupido, arbor, æquor, finis, mus, tellus.
4. Give the genitive and dative singular :  
totus, senex, unus, alius, respublica.
5. Give 1st pers. sing. of the tenses in the Indicative of eo,  
(to go), fero) to bear), possum (to be able).
6. What verbs govern the genitive and accusative ?
7. Explain the use of the abl. absolute.

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ARITHMETIC, ALGEBRA, GEOMETRY.

1. Explain the reason why the divisor is inverted in the division of fractions.
2. Multiply and divide  $\frac{2}{3} + \frac{1}{5}$  by  $1 - \frac{1}{13}$  ; find which of these results is the greater, and express their difference in its lowest terms.
3. An avenue 3 miles long is planted with 5 rows of trees. The trees are placed in the different rows at the distances of 6, 8, 9, 10 and 12 ft. respectively. If the rows start from the same straight line, (1) how often will 5 trees be in a line, there being 5280 ft. in a mile ? and (2) how many trees will there be in the avenue ?
4. A ship and her cargo are valued at \$60,000, and  $\frac{3}{8}$  of the value of the ship is equal to  $\frac{1}{4}$  of the value of the cargo ; find the value of each.
5. Brown can run 10 yards whilst Green runs 11 ; what start ought Green to give Brown in a half mile course in order to make an even race ?
6. Divide  $x^3 + (a+b+c)x^2 + (ab+ac+bc)x + abc$  by  $x+b$ .
7. There is a certain fish, the head of which is 9 inches long ; the tail is as long as the head and half the back ; and the back is as long as the head and tail together ; what is the length of the back and of the tail ?
8. Through a given point *A* draw a straight line *ABC*, meeting two parallel straight lines in *B* and *C*, so that *BC* may be equal to a given straight line.
9. To divide a given straight line into two parts, so that the rectangle contained by the whole and one of the parts shall be equal to the square on the other part.

ENGLISH GRAMMAR AND COMPOSITION.

1. State the different modes in which the plural of nouns is formed, giving examples.
  2. How are “verbs of weak conjugation” distinguished from those of “strong conjugation”? Give example of each.
  3. Define the following terms :—Gender, Mood, Tense, Preposition, Adverb, Syntax, Gerund, Predicate, Attributive Adjunct, Subject.
  4. Give examples of the following :
    - (1) A simple sentence.
    - (2) A complex sentence.
    - (3) An elliptical sentence.
    - (4) A sentence with an adverbial clause.
  5. Parse the words in Italics :
    - (1) He *would* not come when I called him.
    - (2) He *could* not lift the weight when he tried.
    - (3) I *could* not do it if I *were* to try.
    - (4) He told me I *might* go.
    - (5) He was *taught* his lesson.
    - (6) I *can but lament* the result.
    - (7) All *but one* were killed.
  6. Analyse :—

“When in Salamanca’s cave  
Him listed his magic wand to wave,  
The bells would ring in Notre Dame.”
  7. Correct the following, giving reasons :—
    - (1) How far did you say it was from Kingston to Montreal?
    - (2) I know he done it for I seen him do it.
    - (3) He looks as if he had laid there all night.
    - (4) I managed that part of it easy enough.
    - (5) Will Mr. B. please excuse John’s absence, and oblige, yours truly, A. B.
    - (6) Will either of you girls lend this boy your slate?
    - (7) It was proposed to erect a statute in his honor.
    - (8) I thought I would have died laughing at his ridiculous appearance.
    - (9) Nobody but the doctor and the nurse are allowed to see him.
-

BOTANY.

1. Mention five elements of Plant-food.  
(a) From what sources does the plant receive each of them?
2. There are several forces which produce movements of water in plants. Describe as fully as you can two of these forces and the movements they produce.
3. Define the terms,—Aggregate fruit ; Samara ; Caryopsis ; Berry ; Septicidal dehiscence ; Parietal placentation.
4. Describe three arrangements for securing Cross-fertilization.
5. Flowers are modified in many ways to produce variety of form. Describe three of these modifications.
6. Why do naturalists believe that the parts of a flower are modified leaves?
7. Show how the various forms of Indefinite Inflorescence may be derived from the Raceme.
8. Describe fully the structure of an Exogenous Stem.
9. Describe three forms of Vegetable Tissue.

PHYSICS.

1. What is the unit of time, distance, mass, velocity, force?
2. If a grindstone in rapid motion flies into pieces, in what direction are the fragments projected? Why?
3. Enunciate the second law of motion and explain it.
4. Show how the distance fallen through in  $t$  seconds  $= 4.9t^2$ .
5. Explain why in a common pump the water rises when the piston is drawn up, and why the water will not rise higher than about 30 feet.
6. Why does a balloon rise? Show the difference between the rising of a balloon and the rising of a kite.
7. Define "Conservation of Energy," and distinguish between kinetic and potential energy.
8. Account for the absorption of heat in the conversion of boiling water into steam, although the temperature of both is the same.
9. Give the two meanings of the word *sound*, and explain the difference between a noise and a musical sound.



10. In sound-waves what is the direction of motion of each particle and also of the waves ?
11. By what experiment may it be shown that some medium is necessary for the conveyance of sound ?
12. Explain the principle of Whispering Galleries.
13. What effect has the temperature of the air upon the velocity of sound, and why ?
14. State the law for the Reflection of light.

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## EXAMINATIONS IN MEDICINE.

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### CHEMISTRY.

#### *First Paper.*

1. State the law of Expansion of Gases by heat. A quantity of Hydrogen measures 10 litres at  $27^{\circ}$  centigrade, what does it measure at  $97^{\circ}$  ?
2. What substances are formed by the action on water of (a) Sodium, (b) Chlorine, (c) red hot iron, (d) Electricity, and (e) Phosphorus Pentachloride ?
3. Give a short account of the preparation and properties of Oxygen. What is Ozone ?
4. How would you prepare Nitrogen ? How distinguish it from Carbon Dioxide ?
5. What are supersaturated solutions ? How are they prepared ? Explain the action of such a purgative as Epsom Salts.
6. Describe the preparation of Phosphoric Acid from Bone Ash. Why is this acid called *tribasic* ?
7. What substances are formed when *Phosphorus Sulphur*, *Arsenic*, *Carbon*, and *Marsh Gas* burn in the atmosphere.
8. Explain the manufacture of Nitric Acid.
9. From what sources are *Bromine* and *Iodine* obtained ? How are they prepared ?
10. Give three methods for preparing Chlorine. Explain its bleaching action.

CHEMISTRY.

*Second Paper.*

1. How would you prepare Nitrate of Silver? What is its action in solution on Sodid Chloride?
2. Describe the preparation and properties of Potassic Permanganate.
3. How would you distinguish between solutions containing Calcium, Strontium and Barium, respectively?
4. How is the action of water on lead affected by the presence of salts of lime and of ammonia? How would you test for lead in a solution?
5. Describe the preparation of Potassic Chlorate.
6. What is the composition of Bleaching Powder? How is it manufactured?
7. How is Calcic Hypophosphite prepared? Write its formula.
8. How is Chloroform manufactured? What is the composition of Chloral?
9. Explain the alkaline reaction of decomposing urine.
10. Describe the preparation of Tartaric Acid. Write the formulas for Tartar Emetic, and Cream of Tartar.

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MATERIA MEDICA.

1. Name three chief Antipyretics, giving the principal diseases they are used in, and the mode of administration.
2. How are Tartar Emetic, Blue Pill Mass, and Sweet Spirits of Nitre, made?
3. Contrast the action and administration of Chloroform and Ether as Anæsthetics.
4. Give the doses, internally, of: Acetate of Lead, as an Astringent; Corrosive Sublimate, as an Alterative; Quinine, as an Antiperiodic; Bicarbonate of Potash, as an Alkaline Diuretic, Hypodermically, of Atropia and Morphia, Endermically, of Strychnia, by Inhalation, of Nitrate of Amyl.
5. What are the contra-indications to the use of Emetics, Drastic Cathartics, the Alkalies and Opium.

6. Write a prescription for a Tonic, for Anæmia, an ℥ viii. mixture, containing Tincture Muriate of Iron, Quinine, Solution of Strychnine, Epsom Salts and Water. A tablespoonful in the same quantity of water three times a day after meals.
7. What are the chief Therapeutic uses of Iodide of Potassium, Chloral Hydrate and Nitrate of Silver, and what are the consequences of their continuous use, respectively, for a lengthened period.

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PHYSIOLOGY.

1. Describe the structure and functions of the Spleen, showing the analogy between it and the Red Marrow of bones.
2. How is heat generated and regulated in the human body. State the various chemical changes associated with its evolution, and their proportional influence in its production.
3. Describe the Schneiderian mucous membrane, and explain the mechanism of the sense of smell.
4. What is Rigor Mortis? What changes take place in the Muscular Fibre. State what influences the period of its advent, duration and degree.
5. On what form of lever do the greater part of the muscles act in moving the limbs. State the mechanical advantages and disadvantages resulting from the use of that form of lever. Give some instances of this kind in the body.
6. Describe the structure and arrangement of the seminiferous tubes in the body of the testis and epididymis, and explain the formation of the spermatozoa.

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ANATOMY.

1. Describe the inferior Maxilla, and name the muscles attached.
2. Give the relations of the whole heart to the walls of the thorax, and indicate the position of the valves.
3. Name and give the relative position of the muscles, nerves and blood vessels brought into view by the removal of the gastrocnemius and soleus.

4. Give the origin and insertion and nerve supply of the following muscles :—Adductor Magnus, Brachialis Anticus, Omohyoid Pterygoideus externus and obliquus oculi superior.
5. Describe the ankle joint.
6. Give a brief description of the Portal circulation and of the minute anatomy of the Liver.

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OBSTETRICS.

1. Give the position, relation and supports of the Uterus.
2. What are the dangers of Labour in Multiple Pregnancy. How are they averted.
3. What conditions warrant Induction of Premature Labor. Name the methods adopted.
4. Name the conditions of the Cord complicating delivery.
5. Give the causes and treatment of Inversion of the Uterus.
6. Give the symptoms, general and local, of Puerperal Metritis.
7. Give the causes and treatment of Asphyxia in the new-born child.
8. Give the Diagnosis of Retroversion of the Uterus with Flexion.

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SURGERY.

1. What are the Pathological changes which occur in the origin, progress and termination of an acute abscess. Give the signs, local and constitutional, of suppuration.
2. Define Embolus ; Hemorrhagic wedge-shaped infarction ; Yellow dry infarction ; Embolic Metastatic Abscess.
3. In injuries of the head, in what parts may blood be found extravasated. Give briefly the diagnosis of each, and treatment.
4. Name the prominent points of difference between Dislocation of the Radius and Ulna backwards, and extra-articular Fracture of the lower end of Humerus.
5. Describe Symes' operation at the Ankle-joint, and state in what Pirogoff's method differs therefrom.



6. In a case of Strangulated Inguinal Hernia state the symptoms that would lead you to perform an operation, and those by which you would be induced to postpone it.

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PRACTICE OF MEDICINE.

1. Define Ecchymosis, Petechiæ, Pathognomonic Etiology, Endemic, Sequelæ, Prophylaxis, Period of Incubation, Dicrotus pulse, Leucocytes, Stasis, Zymotic.
2. Diagnose Varicella from Small Pox.
3. How would you recognise and treat a case of chronic left Pleurisy?
4. Mention two kinds of Embolism, and give the usual cause and effects, 1st, as it occurs in Lungs; 2nd, as it occurs in Kidney.
5. Describe the symptoms of Posterior Spinal Sclerosis and the Pathological changes,
6. Give the cause, morbid anatomy and treatment of Acute Dysentery.
7. Give the predisposing and exciting causes of Cerebral Hemorrhage. What symptoms indicate the locality of the hemorrhage?

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JURISPRUDENCE.

1. *Re* Homicide—Follow step by step the different courts and juries, giving in detail the duties from finding of the body till execution of the prisoner.
2. *Re* Drowning—What are the causes of death? Would you tell whether death had taken place before or after immersion?
3. *Re* Infanticide—What are the signs of maturity? What are the appearances you would expect on a child that survived its birth three days? Perform the Hydrostatic test. What constitutes Insanity? Describe general paralysis of Insane.
4. Rigor Mortis—What is it? When does it set in? In what way may the cause of death affect its time of appearance and its duration? Give the order in which the internal organs undergo putrefaction.

## GRADUATES OF 1885.

Students of the Royal College admitted to the Degrees of  
M.D. and C.M. at Queen's University Convocation, 1885 :

Bertram, T. A. ....	Dundas.
Clark, C. W. D. ....	Odessa.
Cunningham, Harry C. ....	Kingston.
Dawson, Henry ....	Wolfe Island.
Dwyre, Andrew ....	Elgin.
Ford, H. B. ....	Bouck's Hill.
Hooper, Rev. E. ....	Kingston.
Kyle, Wm. A. ....	N. Winchester.
Roy, Henry ....	Chisholm.
Russell, D. H. ....	Gordon's Mills.
Spankie, Wm. ....	Kingston.
Stirling, Jas. A. ....	Kingston.

### GOLD MEDALLISTS.

Cunningham, Harry C. ....	} equal.
Spankie, Wm. ....	

### PRIZES AT PRIMARY EXAMINATION.

#### *House Surgeons Kingston General Hospital.*

M. L. Dixon ....	Frankville.
E. W. Wright.....	Bath.

#### *Demonstrators of Anatomy.*

Third Year, D. E. Mundell.....	Kingston.
Second Year, Jas. V. Anglin .....	Kingston.

#### *Silver Medal (2nd Year.)*

Alfred Errett.....	Merrickville.
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## LIST OF GRADUATES.

### M. D.

#### 1855.

Chambers, Daniel.....	Deceased.
Douglas, Robert.,.....	Port Elgin.
Dunbar, Samuel.....	Deceased.
Herriman, Weston Leroy.....	Lindsay.
Hillier, William.....	Deceased.
Mercer, John G. ....	Goderich.
Scott, Wm. S. ....	Southampton.
Spafford, H. W. ....	Deceased.
McKellar, Dugald .....	Deceased.

#### 1856.

Brown, Marshall J.....	Kingston.
Campbell, John H.....	Deceased.
Corbett, Geo. H.....	Orillia.
Franklin, Benjamin.....	Port Burwell.
Yates, Octavius.....	Deceased.

**1857.**

Bell, James M. ....	Deceased.
Bowers, Samuel S. ....	Fond du Lac, Wisconsin.
Chisholm, H. F. ....	Deceased.
Crawford, Joseph. ....	Arnprior.
Joy, Sylvanus. ....	Tilsonburg.
Laidlaw, Alex. R. ....	Deceased.
Lawlor, Michael ....	Deceased.
Macdonald, Alex. R. ....	Brighton.
Perrault, Julien ....	San Francisco, Cal.
Thibodo, Oliver. ....	Arizona.

**1858.**

Benson, John R. ....	Gylpie, Queensland.
Bethune, Alexander ....	Wingham.
Davis, R. H. ....	York, Grand River.
Evans, Henry ....	Deceased.
Elmer, Wm. W. ....	Bay City, Mich.
Hackett, Joseph ....	Deceased.
Henderson, Donald ....	Winnipeg, Man.
Mostyn, Wm. ....	Deceased.
Smith, George. ....	Deceased.
Sweetland, John. ....	Ottawa.
Sullivan, Michael ....	Kingston.

**1859.**

Bird, Francis W. ....	Deceased.
Boyle, Arthur R. ....	Toronto.
Campbell, George ....	
Clunes, Wm. R., B.A. ....	Sacramento, Cal.
Day, H. W. ....	Trenton.
Ferguson, Charles F. ....	Kemptville.
Foster, Robert J. ....	Deceased.
Henderson, Wm. ....	Deceased.
Lambert, Robert ....	Windsor.
Morden, John H. ....	Deceased.
McLean, Caird R. ....	Meaford.
Sparham, George S. ....	Kemptville.

**1860.**

Bird, Nelson J. ....	San Francisco.
Chanonhouse, Thos. ....	Deceased.
Cranston, James G. ....	Arnprior.
Dupuis, Thomas R. ....	Kingston.
Giles, John G. ....	Gananoque.
Horsey, Edward H. ....	Chicago.
McKenzie, Edward ....	Smith's Falls.
Roche, Wm. P. ....	Deceased.
Rose, George S. ....	Deceased.
Spooner, Geo. D. ....	Deceased.
Trousdale, Jas. D. ....	Deceased.

**1861.**

Anderson, Wm. J. ....	Winchester Springs.
Blakely, Robert ....	Deceased.
Bleasdel, Charles E. ....	Deceased.
Cogan, Jeremiah R. ....	Deceased.
Corry, Robert. ....	Deceased.
Deans, William C. ....	Galt.
Dunlop, Neil ....	Sydenham.
Farrell, John T. ....	Deceased.
Fraser, John M., B.A. ....	London.

Kelly, David .....	Deceased.
Kelly, Edward J.....	Ottawa.
Kemp, J. A.....	Leamington.
O'Reilly, Anthony.....	Deceased.
Parker, Robert .....	Stirling.
Ramsay, Robert.....	Newmarket.
Taylor, Wm. F.....	Gylpie, Queensland.
Thirkell, Wm. G. ....	Sodus, N. Y.
Weir, William .....	Deceased.

**1862.**

Black, Wm. A. ....	Deceased.
Branigan, P. R. ....	Deceased.
Chamberlane, Theodore F.....	Morrisburg.
Day, B. W.....	Council Grove, Kansas.
Fee, S. H.....	Kingston.
Harrison, Thomas S.....	Selkirk.
Hamilton, David .....	Batavia, N. Y.
Johnson, Absalom H. J. ....	Lockport, N. Y.
Kellock, J. D.....	Perth.
Meadows, R. W. ....	H. M. Service.
McKenzie, Andrew .....	Deceased.
Macdonald, J. A.....	Brockville.
Macpherson, Alexander .....	Deceased.
Reily, Adrian.....	Welland.
Skinner, Henry .....	Kingston.
Spencer, Henry.....	Deceased.
Switzer, Wilson Irwin .....	Deceased.
Thibodo, Robert .....	Winnipeg, Man.
Tracey, Robert .....	Belleville.
Young, Daniel.....	Conway.

**1863.**

Aylsworth, Arch. R.....	Newburg.
Beckett, James .....	Deceased.
Bray, John L.....	Chatham.
Chanonhouse, John .....	Eganville.
Coleman, Wm. F.....	St. John, N.B.
Dickson, John R. ....	Deceased.
Elwell, W. D. ....	Deceased.
Ferguson, Ed. G. ....	Brunswick, Georgia.
Ferguson, R. B.....	Winnipeg, Man.
Howells, Thomas B.....	Deceased.
Ingersoll, Isaac F.....	Picton.
Irwin, Chamberlen A.....	Kingston.
Kennedy, Roderick .....	Bath.
Kincaid, Robert.....	Peterboro.
Lavell, Michael.....	Kingston.
Litchfield, J. P.....	Deceased.
Moore, Andrew.....	Deceased.
McCammon, James.....	Deceased.
McLean, Thomas F.....	Goderich.
Nichol, James.....	Deceased.
Oliver, Alfred S.....	Kingston.
Ross, Thomas K.....	Webster City, Iowa.
Ruttan, Joseph B.....	Wellington.
Shirley, Joseph W.....	Watford.
Smith, John R.....	Deceased.
Sullivan, Thomas .....	St. Catharines.
Watson, Charles V.....	Wellington.
Wilson, John A.....	Cuthbert, Georgia, U.S.

Yates, Horatio ..... Deceased.  
Yeomans, Horace P ..... Mount Forest.

**1864.**

Bigham, Hugh ..... Deceased.  
Comer, A. T ..... New York City.  
Davidson, Myers ..... Florence.  
Dunn, Andrew T ..... North Augusta.  
Fenwick, T. M. .... Kingston.  
Fox, Edward C .....  
Gleeson, James ..... Syracuse, N.Y.  
Grasse, Sydney De ..... Deceased.  
Hoare, Walter W ..... Strathroy.  
Milliner, W. S. .... Oswego.  
McIntyre, Duncan ..... Wardsville.  
Preston, Robert H ..... Newboro.  
Searls, Abram W ..... Deceased.  
Taylor, James ..... Tara.  
Thornton, Wm. M ..... Stoney Creek, Hamilton.  
Wartman, Philander C ..... Deceased.

**1865.**

Agnew, John ..... Kingston.  
Bell, Alexander ..... Lakefield.  
Bigham, John ..... Cataraqui.  
Bowen, Robert ..... H. M. Service.  
Deans, George ..... Trenton.  
Heggie, David ..... Brampton.  
Horsey, Alfred ..... Ottawa.  
Kertland, Edwin H ..... Toronto.  
Massie John ..... Norwood.  
Morden, James B ..... Picton.  
McLaren, Alexander ..... Shannonville.  
Neish, James ..... Kingston, Jamaica.  
Reeve, Richard A ..... Toronto.  
Tracy, Thomas B ..... Deceased.  
Weeks, W. J. .... Winnipeg.

**1866.**

Armstrong, Alfred ..... Deceased.  
Beattie, Wm ..... Melbourne, P.Q.  
Bell, John ..... Deceased.  
Darrah, R. J ..... Kingston.  
Jones, Henry M ..... Marmora.  
Kahkewaquonaby ..... Hagersville.  
Lake, Charles B ..... Ridgetown.  
Mark, Robert ..... Ottawa.  
Newton, John ..... Deseronto.  
Price, Robinson B ..... Bath.  
Somerville, James A ..... Wallaceburg.

**1867.**

Armstrong, Albert ..... Arnprior.  
Campbell, Joseph ..... Paisley.  
Dugdale, John J ..... Montreal.  
Howell, Geo. W ..... Tweed.  
Meagher, Daniel ..... Montreal.  
Monro, John C ..... South Finch.  
Munro, David ..... Lanark.  
Patterson, James R ..... Tiverton.  
Valleau, Geo. Z .....  
Wafer, Francis M ..... Deceased.  
Walker, Allen H ..... Dundas.



1868.

Abbott, Samuel A .....	Belleville.
Bigham, James .....	Warsaw.
Booth, Donald B .....	Odessa.
Bleasdell, Charles E .....	Deceased.
Clark, James .....	Bay City, Mich.
Corbett, Henry T .....	Ottawa.
Dickson, John R .....	Deceased.
Erly, Francis W. J .....	Deceased.
Johnstone, David .....	Kincardine.
Nesbitt, Edward .....	Deceased.
Oliver, John K .....	Deceased.
O'Sullivan, John .....	Peterboro.
Rockwell, Albert .....	Frankford.
Saunders, Lawrence .....	Deceased.

1869.

Alexander, James A .....	Deceased.
Alway, Enoch .....	Binbrook.
Bethune, Henry T .....	Clanbrassie.
Bice, Mark .....	Arva.
File, Albert .....	Ameliasburg.
Foster, Robt. J .....	Deceased.
Fraser, Anson S .....	Sarnia.
Harvey, Albert E .....	Watford.
Hendry, Geo .....	Deceased.
Hillier, Solomon C .....	Bowmanville.
Mann, James .....	Renfrew.
Leavitt, Arven S .....	Toronto.
Purdy, Charles W .....	Chicago.
Saunders, Herbet J .....	Kingston.
Spooner, Hiram S .....	Sutton.
Stewart, Alex. J .....	Angus.
Stowell, Olmsby O .....	
Vanvlack, Gilbert J .....	Deceased.
Wilson, Charles J. C .....	Montreal.

1870.

Bridgland, Samuel .....	Bracebridge.
Dumble, Wm. C .....	Tara.
Hodge, George .....	Mitchell.
Matheson, Murdock .....	Aramac, Queensland.
Moore, Vincent H .....	Brockville.
Potter, Levi .....	
Rutherford, James .....	Orono.
Sayers, Alexander .....	Marion, N.Y.
Sieviewright, James A .....	Deceased.
Thornton, Thomas H .....	Consecon.

1871.

Bernard, Gerald .....	Newcastle-on-Tyne, Eng.
Chaffey, Ellsworth .....	Ontario, South California.
Day, W. D. P. W. .....	Harrowsmith.
Fairbairn, Archibald C .....	Minneapolis
Gillies, Neil .....	Winnipeg.
Gunsolus, Kenneth .....	
Higinbotham, William .....	Omemee.
Houston, Wm. R. .....	Chatham.
Kidd, Edward .....	Wellington.
Lafferty, James .....	Kingston.
VanAllen, John R .....	Kansas City.
Young, David .....	Lower Fort Garry.

1872.

Brien, James .....	Essex Centre.
Clarke, John .....	Peterboro.
Gerin, John .....	Auburn, N.Y.
Rockwell, Ashbel S. ....	Rochester, N.Y.
Rourke, Francis .....	Dublin, Ont.

1873.

David, Alfred .....	Atlantic Mines, Mich.
Kennedy, Jacob .....	Sackville, N.B.
Lavell, Charles H. ....	Deceased.
McLennan, Alexander S. ....	Chicago.
McAdam, S. T. ....	Pembroke.
McMahon, James .....	Texarkana, Texas.
Purdy, Alvanly N. ....	
Spear, Hugh .....	Leakdale.
Walkem, W. W. ....	Nanaimo, B.C.

1874.

Claxton, William .....	Verona.
Fenwick, Kenneth .....	Kingston.
Ford, Herbert Douglass .....	Chicago.
Gibson, Andrew M. ....	Clinton.
Jones, John .....	Kemptville.
Lane, Joseph W. ....	Mallorytown.
McLean, Solomon C. ....	Spencerville.

1875.

Betts, Alfred H. ....	Deceased.
Carscallen, Allen B. ....	Enterprise.
Deynard, Adelbert .....	Sullivan.
Dingman, W. E. ....	Listowell.
Dowsley, David H. ....	Clinton.
Masson, Thomas .....	Cape Vincent.
Potter, Samuel .....	Groves' Corners.
Preston, Richard .....	Carleton Place.
Tuttle, Leslie .....	Tweed.

1876.

Case, Geo. H. ....	Deceased.
Davis, Ransom A. ....	Easton's Corners.
Kennedy, Alexander .....	Port Arthur.
Murphy, John Bernard .....	Belleville.
Potter, Thomas .....	Ottawa.
Yourex, John McGill .....	Tamworth.

1877.

Bowen, George H. ....	Seeley's Bay.
Day, Jonathan .....	Fullarton.
Dowsley, Geo. C. ....	Wingham.
Dumble, Thos. H. ....	Gananoque.
Higgins, Edward M. ....	Hamilton.
Holmes, F. S. Leroy .....	Merrickville.
Hourigan, Andrew R. ....	Peterboro.
Hubbs, H. A. M. ....	Bay City, Mich.
Miller, Lindsay F. ....	Woodhill.
McNicholl, Eugene C. ....	Cobourg.
Phelan, Daniel .....	Kingston.
Scoville, Simmons .....	Rat Portage, Keewatin.

1878.

Beeman, Thomas W. ....	Odessa.
Bennett, Henry .....	Sullivan.
inton, George .....	Deseronto.

Craig, Hugh A. ....	Cobourg.
Evans, Henry.....	Picton.
Hossie, Thos. R.....	Gouverneur, N. Y.
Kennedy, Wm. B.....	Chattenham.
Kidd, Peter E.....	Midland City.
Lewis, Frederick .....	Orangeville.
Lynch, Dennis P. ....	Almonte.
MacArthur, James.....	London.

1879.

Abbott, Rodney H.....	Comber.
Clark, William .....	.....
Cleaver, J. C. C.....	Trinidad.
Cleaver, Wm. T.....	Trinidad.
Donovan, P. C. ....	Neché, Dakota.
Henderson, Wm. H.....	Kingston.
Horton, Robert N.....	Comber.
Judson, Geo. W.....	Lyn.
Kilborn, Roland.....	Toledo.
Lafferty, Wm. A. ....	Perth.
Leonard, Raymond .....	Napanee.
McCammon, James A.....	Spencerville.
McCullough, Wm. S.....	Deceased.
Newlands, George.....	Litchfield.
Ward, George C. Tremaine.....	Napanee.

1880.

Chown, Henry H. ....	Winnipeg.
Clark, J. G.....	Meaford.
Day, Lewis E.....	Harwood.
Dickson, Charles R.....	Wolfe Island.
Empey, Charles T. ....	Cross Hills, Leeds, England.
Galbraith, John E. ....	Whitby.
Knight, John H.....	Amherstburg.
McPhadden, Murdock.....	Brussels.
Odlum, John .....	Thornton.
Reeve, Henry H. ....	Churchhill.
Waddell, W. H.....	.....
Wilson, Thomas .....	Glencoe.

1881.

Alexander, F. R .....	Ottawa.
Betts, J. Howard ....	Kingston.
Coughlan, Richard.....	Hastings.
Gibson, W. J .....	Belleville.
Herrington, A. W .....	Deceased.
Jamieson, John ....	Pakenham.
Johnston, D. A .....	Deceased.
Lavell, Wm. A .....	Smith's Falls.
McConnell, B. J .....	Nelsonville.
McGurn, J. S .....	Deceased.
Oldham, Edmund .....	Sullivan.
O'Shea, James.....	Peterbovo.
Reid, W. D .....	Montpelier, Vermont.
Rogers, D. H .....	Lindsay.
Snider, S. H .....	.....
Symington, T. J.....	Camlachie.
Wallace, David .....	Metcalfe.

1882.

Anglin, R. S.....	Springfield, Nebraska.
Cameron, A. D.....	Lancaster.
Cornell, A. P.....	Gravenhurst.

Coutlee, H. N.....	Sharbot Lake.
Denike, G. M.....	Fulton, N.Y.
Dupuis, J. M.....	Verona.
Garrett, R. W.....	Kingston.
Jarvis, Charles E.....	London.
Knox, Henry.....	Shawville, Q.
Koyl, F. T.....	Ada, Man.
Macdonald Hugh N.....	Lake Ainslie, C.B.
Mordy, G. A.....	Ashton.
Reeve, John L.....	Moose Jaw.
Rutherford, D. B.....	Morrisburg.
Stewart, J. M.....	Chesley.

1883.

Anglin, W. G.....	Kingston.
Clancy, Charles C.....	Wallaceburg.
Cryan, John.....	N. Williamsburg.
Davis, L. T.....	San Francisco.
Froiland, Herman M.....	
Kidd, John F.....	Ottawa.
Hickey, Daniel C.....	Kingston.
McGhie, George S.....	Elgin.
McMurchy, A.....	Michipicoten.
Moore, Thomas A.....	Swift Current, N.W.T.
Page, Thomas A.....	Brockville.
Smith, R.....	Manotic.
Young, W. J.....	Carlow.

1884.

Beatty, E.....	Indore.
Bullis, W. H.....	Chatham.
Cartwright, R. C.....	Kingston.
Cumberland, Thomas .....	Point Edward.
Duff, H. Ramsay .....	Newburg.
Emery, H. J.....	Crosswell, Sanilac Co., Mich.
Forrester, Edgar.....	Mallorytown.
Forin, A. W.....	Belleville.
Fraser, R. N.....	Westmeath.
Foxton, E.....	Manitoba.
Herald, John.....	Kingston.
Mackie, D. H.....	Belleville.
McCammon C. Gordon.....	Clifton Springs, N.Y.
McGillivray, A. H.....	Kingston.
Smith, E.....	Hamilton.
Stirling, J. E.....	Cataraqui.
Webster, W. J.....	White Lake, Aurora Co. Dak.
Williams, Herbert S.....	Mount Vernon, Dakota.

1885.

Bertram, T. A.....	Dundas.
Clark, C. W. D.....	Odessa.
Corlis, M. A.....	St. Thomas.
Cunningham, Harry C.....	Winnipeg.
Dawson, Henry.....	Cape Vincent.
Dwyre, Andrew.....	Elgin.
Ford, H. B.....	Bouck's Hill.
Hooper, E.....	Kingston.
Kyle, Wm. A.....	N. Winchester.
Reynolds, H. E.....	Mount Forest.
Roy, Henry .....	Chisholm.
Russell, D. H.....	Mankato, Minn.
Spankie, Wm.....	Kingston.
Stirling, Jas. A.....	Kingston.

## FELLOWS.

Bethune, Alexander .. ..	Wingham .. ..	1874
Cluness, Wm. B. .. ..	Sacramento, Cal. .. ..	1871
Dickson, John R. .. ..	(Deceased) .. ..	1866
Dupuis, Thomas R. .. ..	Kingston .. ..	1871
Fowler, Fife .. ..	Kingston .. ..	1866
Kennedy, Roderick .. ..	Bath .. ..	1866
Lavell, Michael .. ..	Kingston .. ..	1866
Maclean, Donald .. ..	Ann Arbor, Michigan .. ..	1866
Mark, Robert .. ..	Ottawa .. ..	1871
Neish, James .. ..	Kingston, Jamaica .. ..	1874
Oliver, Alfred S. .. ..	Kingston .. ..	1873
Reeve, Richard A. .. ..	Toronto .. ..	1866
Saunders, Herbet J. .. ..	Kingston .. ..	1871
Sullivan, Michael .. ..	Kingston .. ..	1866
Yates, Horatio .. ..	(Deceased) .. ..	1871
Yates, Octavius .. ..	(Deceased) .. ..	1871

## LICENTIATES.

Abbott, Samuel .. ..	Belleville .. ..	1872
Alexander, James .. ..	(Deceased) .. ..	1869
Alway, Enoch .. ..	Binbrook .. ..	1869
Bice, Mark .. ..	Hampton .. ..	1869
Bigham, Hugh .. ..	Fenelon Falls .. ..	1867
Bigham, James .. ..	Warsaw .. ..	1868
Booth, Donald B. .. ..	Odessa .. ..	1868
Burgar, C. .. ..	Welland .. ..	1870
Chaffey, Ellswood .. ..	Ontario, California .. ..	1870
Chamberlane, Theodore F. .. ..	Morrisburg .. ..	1871
Clapham, Edward .. ..	Belleville .. ..	1868
Close, James .. ..	Ohio, U. S. .. ..	1873
Coleman, William F. .. ..	St. John's, N. B. .. ..	1871
Corbett, Henry T. .. ..	Ottawa .. ..	1868
Cornell, Charles .. ..	Farmersville .. ..	1872
Davison, Myers .. ..	Florence .. ..	1871
Day, Barnabas W. .. ..	Council Grove, Kansas .. ..	1871
Day, Jonathan .. ..	Fullarton .. ..	1881
Dickson, John R., Jr .. ..	(Deceased) .. ..	1858
Dowsley, D. H. .. ..	Clinton .. ..	1875
Dugdale, John J. .. ..	Montreal .. ..	1867
Erischen, Hugo .. ..	Detroit .. ..	1882
Erly, Francis W. J. .. ..	(Deceased) .. ..	1868
File, Albert J. .. ..	Ameliasburgh .. ..	1869
Fraser, Allen H. .. ..	(Deceased) .. ..	1867
Graham, Wm. J. .. ..	Bothwell .. ..	1873
Gunsolus, Kenneth .. ..	.. ..	1874
Hall, Wm. .. ..	Qu'Appelle .. ..	1883
Hall, John D. .. ..	Brockville .. ..	1878
Harvey, Leander .. ..	Watford .. ..	1867
Hendry, George .. ..	(Deceased) .. ..	1869
Herriman, Weston Leroy .. ..	Port Hope .. ..	1869
Higginbotham, A. .. ..	(Deceased) .. ..	1868
Horsey, Edward H. .. ..	Chicago .. ..	1871
Houston, Wm. R. .. ..	Chatham .. ..	1871
Hutcheson, John .. ..	Meaford .. ..	1869
Johnstone, David .. ..	Kincardine .. ..	1869
Kidd, Edward .. ..	Wellington .. ..	1871
Knight, John H. .. ..	.. ..	1880
Lavell, Charles H. .. ..	(Deceased) .. ..	1873



Lavell, Wm. A...	..	..	..	Smith's Falls	..	..	..	1880
Maclean, Archibald	..	..	..	Ann Arbor	..	..	..	1880
Mark, Robert	..	..	..	Ottawa	..	..	..	1867
McDowell, John	..	..	..	(Deceased)	..	..	..	1880
Meadows, R. W.	..	..	..	H. M. Service	..	..	..	1862
Meagher, Augustus	..	..	..	(Deceased)	..	..	..	1869
Munro, David	..	..	..	Lanark	..	..	..	1867
Murphy, H. J.	..	..	..	Chatham	..	..	..	1867
Maclean, Donald	..	..	..	Ann Arbor, Mich	..	..	..	1868
McLennan, Alexander S	..	..	..	Chicago	..	..	..	1873
Nesbitt, Edward	..	..	..	(Deceased)	..	..	..	1868
Newell, James	..	..	..	Wyoming	..	..	..	1869
Noel, J. V.	..	..	..	(Deceased)	..	..	..	1867
Oliver, John K...	..	..	..	(Deceased)	..	..	..	1868
O'Sullivan, John	..	..	..	Peterboro	..	..	..	1868
Patterson, Jas. R.	..	..	..	Tiverton	..	..	..	1869
Price, Robinson B.	..	..	..	Bath	..	..	..	1871
Purdy, Chas. W.	..	..	..	Chicago	..	..	..	1869
Rourke, Francis	..	..	..	Dublin, Ont.	..	..	..	1867
Spear, Hugh	..	..	..	Leakdale	..	..	..	1868
Stark, Alexander	..	..	..	Berwick	..	..	..	1880
Stewart, Alexander J.	..	..	..	Angus	..	..	..	1869
Symington, Thomas	..	..	..	Camlachie	..	..	..	1881
Thibodo, Robert	..	..	..	Winnipeg, Man.	..	..	..	1868
VanAllan, John R.	..	..	..	Kansas City	..	..	..	1870
Vanlack, Gilbert	..	..	..	(Deceased)	..	..	..	1870
Wilson, Charles J. C.	..	..	..	Montreal	..	..	..	1869
Wafer, Francis W.	..	..	..	(Deceased)	..	..	..	1867
Young, David	..	..	..	Manitoba	..	..	..	1871

The following students of the Royal College passed the University Examinations as under :

#### PHYSIOLOGY.

Alen, A. G., Anderson, Armstrong, Begg, Bruce, Cameron, Conerty, Cornell, Creeggan, Donovan, Dowson, Errett, Freeman, A. E., Gallagher, Hanna, Heath, James, Lane, Mabee, J. E., Mundell, D. E., Mundell, J., McPhee, Ranstead, Thorne, Watts.

#### ANATOMY AND MATERIA MEDICA.

Beaman, W. C., Bruce, Burdett, Casselman, Collins, Conerty, Cornell, Coy, Creeggan, Dame, Donovan, Galligan, Heath, Jack, Jamieson, A., Lane, McArdell, McLaughlin, McPhee, McVety, Mellow, Mundell, D. E., Mundell, J., Nimmo, Shaw, Smith, Storms.

#### JURISPRUDENCE.

Coy, McArdell, Shaw.

#### BOTANY.

Anderson, Armstrong, Baker, Begg, Bruce, Campbell, Cameron, Dowson, Dunning, Errett, Ferguson, Fisher, Hanna, Hart, James, Jamieson, D., Jamieson, T. J., Lane, Mabee, J. E., Maybee, M., McEwen, Mallory, Martin, Mitchell, O'Neil, Pirie, Pratt, Ranstead, Robertson, J. W., Scott, Smith, Thorne, Walker, Warner, Watts, Wright.

CHEMISTRY, THEORETICAL.

Allen, A. G., Anderson, Begg, Beeman, T. A., Bruce, Cameron, Conerty, Cornell, Donovan, Dowson, Dunning, Errett, Fisher, Freeman, A. E., Galligan, Hanna, Heslop, James, Lane, McEwen, Mabee, J. E., Maybee, M., Nimmo, Pirie, Ranstead, Thorne, Warner, Watts.

CHEMISTRY, PRACTICAL.

Allen, A. G., Anglin, Beeman, W. C., Beeman, T. A., Bruce, Burdett, Casselman, Collins, Conerty, Cornell, Creeggan, Dixon, M. L., Donovan, Fisher, Foley, Freeman, A. E., Galligan, Gibson, Hanna, Heslop, Jack, Jamieson, A., James, Keith, Lane, McCardell, McLaughlin, McVety, Mabee, J. E., Maybee, M., Mundell, D. E., Nimmo, Pirie, Scales, Smith, F. B., Warner, Watts, White, Wright.



